

## ***Curriculum Vitae:* Tesla A. Monson**

Assistant Professor  
Department of Anthropology  
Western Washington University



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### **POSITION**

Assistant Professor, Department of Anthropology, Western Washington University

### **EDUCATION**

2012 – 2017 **PhD, University of California Berkeley**, Berkeley, CA, Integrative Biology  
2009 – 2012 **MA, San Francisco State University**, Valedictorian, SF, CA, Anthropology  
2002 – 2007 **BA, Princeton University**, Princeton, NJ, Anthropology

### **ACADEMIC EMPLOYMENT**

2019 – pres **Assistant Professor**, Dept. Anthropology, Western Washington Univ.  
2018 – 2019 **Postdoctoral Researcher**, Anthropological Institute, University of Zurich  
2017 – 2018 **Postdoctoral Researcher**, Dept. Integrative Biology, UC Berkeley  
2009 **Archaeology Field Crew (volunteer)**, Qwu?gwes (45TN240), Olympia, WA  
2007 – 2008 **Curatorial Assistant (volunteer)**, Phoebe A. Hearst Museum of Anthropology, Berkeley, CA

### **AWARDS AND HONORS**

2021 **Diverse Intelligences Summer Institute**, accepted into program. 4-week session, including \$1,250 honorarium  
2019 **Top Downloaded Paper 2018-2019** in *Ecology and Evolution* (certificate)  
2018 **Best Poster Presentation** in Ecology and Evolution, (co-author), WCBSURC  
2017 **Outstanding Graduate Student Instructor Award**, UC Berkeley  
2017 **Student Presentation Award – Honorable Mention**, AAPA Conference  
2016 **Jerry O. Wolff Fellowship (\$24,316)**, Museum of Vertebrate Zoology  
2015 & 2016 **Desmond Clark Graduate Fellowship (\$3,000)**, J. Desmond Clark Human Evolution Research Center, UC Berkeley  
2012 – 2017 **Chancellor's Fellowship for Diversity (\$87,000)**, UC Berkeley  
2012 **William V. Power Graduate Award (\$2,000)**, UC Berkeley  
2011 **ASI Graduate Student Scholarship (\$1,000)**, San Francisco State University

### **PROFESSIONAL SERVICE POSITIONS**

2022-23 **Biological Anthropology TT Search Committee** (Anthropology, WWU)  
2022 **Terrestrial Vertebrate Ecology TT Search Committee** (Biology, WWU)  
2022 **Visual Anthropology TT Search Committee** (Anthropology, WWU)

- 2021 – pres **Editorial Board Member, *American Journal of Physical Anthropology***  
2021 – pres **Summer Teaching Grant Committee**, Western Washington University  
2021 **Session Chair, Paleoanthropology: Quantitative Studies - from numbers to phenotypes**, American Association of Physical Anthropology  
2021 **Academic Technology Committee**, Western Washington University  
2019 – pres **Academic Advisor - BioAnth BA/BS and Biocultural BA tracks**, WWU  
2019 – pres **Pre-Health Professional Advising Committee**, Western Wash. Univ.  
2015 **Admissions Committee for Academic Merit and Diversity Fellows**, Department of Integrative Biology, University of California, Berkeley

## RESEARCH AFFILIATIONS

- 2019 – pres Primate Evolution Lab, Western Washington University, Bellingham, WA  
2018 – 2019 Anthropology Institute and Museum, Zurich, Switzerland  
2017 – pres Human Evolution Research Center, Berkeley, CA  
2013 – 2018 Museum of Vertebrate Zoology, Berkeley, CA  
2012 – 2018 University of California Museum of Paleontology, Berkeley, CA

## PROFESSIONAL SOCIETY MEMBERSHIPS

American Association of Biological Anthropologists, International Association for Paleontology, European Society for Human Evolution (*inactive*), International Congress for Vertebrate Morphology (*inactive*), Society for Integrative and Comparative Biology (*inactive*)

## COURSES TAUGHT

- 2023 **Human Evolution in Sci-Fi Literature (HNRS 250; 12 students)**, Western Washington University *Winter 2023*  
2022-present **Earliest Art and Culture (ANTH 490; 14 students)**, Western Washington University *Winter 2022, Winter 2023*  
2021-present **Human Evolution (ANTH 423/425; 25 students)**, Western Washington University *Spring 2021, Spring 2022, Spring 2023*  
2021 **Advanced Topics in Paleoanthropology (ANTH490; 5 students)**, Western Washington University *Winter 2021*  
2020- present **Human Osteology (ANTH420/520; 25 students)**, Western Washington University *Winter 2020, Spring 2021, Fall 2021, Spring 2022, Summer 2022, Fall 2022*  
2020 **Evolution of Cognition (ANTH490; 6 students)**, Western Washington University *Spring 2020*  
2019-present **Introduction to Biological Anthropology (ANTH215; 80 students)**, Western Washington University *Fall 2019, Winter 2020, Spring 2020, Winter 2021, Spring 2021, Fall 2021, Winter 2022, Summer 2022, Fall 2022*  
2017 **Human Biological Variation (IB35AC)**, University of California, Berkeley *Summer 2017, Fall 2017*  
2015 – 2017 **Human Reproduction (IB140)**, University of California, Berkeley. Graduate Student Instructor *Spring 2015, Spring 2016, Spring 2017*

- 2015      **Human Anatomy Lab (IB131L)**, University of California, Berkeley. Graduate Student Instructor *Fall 2015*
- 2014      **Human Biological Variation (IB35AC)**, University of California, Berkeley. Graduate Student Instructor *Fall 2014*

## RESEARCH GRANTS AWARDED

- 2023      **National Science Foundation – Biological Anthropology (\$556,927)**, RUI: Morphometric investigation of the evolution of circumorbital morphology, modularity, and integration in hominids (Lead PI).  
**Tech Initiative, WWU (\$12,887)**, Building Student Engagement and Scientific Training Using 3D Printing in Anthropology Curriculum.
- 2022      **Manuscript Preparation Grant, Western Washington University (\$2,200)**, to support publication of "Teeth, prenatal growth rates, and the evolution of human-like pregnancy in later *Homo*" in *PNAS*.  
**Mini-Grant, Western Washington University (\$1,000)**, to visit the primate skeletal collections at the Center for the Evolutionary Origins of Human Behavior in Inuyama, Japan.  
**National Science Foundation-MRI (\$534,617)**, *MRI: Acquisition of a micro-computed tomography scanner for interdisciplinary research at Western Washington University* (Co-PI)  
**Pilot Project Grant, WWU (\$5,000)**, New directions for investigating the evolution of the primate eye.  
**Summer Teaching Grant, Western Washington University (\$6,000)**, *Meeting new ethical standards for WWU's osteology curriculum*.
- 2021      **Tech Initiative, WWU (\$26,614)**, Portable 3D scanner for improving student access and enhancing classroom instruction.
- 2020      **Leakey Foundation Grant (\$23,265)**, Title: *Evolution of the primate cranium: Craniofacial modularity in extant colobines*.
- 2020      **Manuscript Preparation Grant, Western Washington University (\$2,200)**, to support publication of "Neutral evolution of human enamel-dentine junction morphology" in *PNAS*.
- 2018      **Graduate Campus, University of Zurich (\$4,770)**, Title: *Integrative Human Evolution Symposium 2019*; organizer and lead PI on the grant.
- 2016      **Department of Integrative Biology (\$1,750)**, Title: *The evolution of dental eruption sequence in mammals* (T. Monson).  
**Museum of Vertebrate Zoology (\$500)**, Graduate Student Travel Grant.  
**University of California Museum of Paleontology (\$900)**, Graduate Student Travel Grant.  
**University of California Museum of Paleontology (\$1,288)**, Summer Research Funds.
- 2015      **Department of Integrative Biology (\$3,800)**, Title: *The evolution of dental eruption sequence in artiodactyls*.  
**Museum of Vertebrate Zoology (\$2,000)**, Title: *The evolution of dental eruption sequence in artiodactyls*.

**Palaeontological Scientific Trust (\$2,167)**, Title: *Developing a Quantitative Approach for Identifying Paleo Species in the South African Fossil Record of Old World Monkeys* (with: LJ Hlusko, DJ Stratford, and MF Brasil).

**University of California Museum of Paleontology (\$700)**, Graduate Student Travel Grant.

2014 **Museum of Vertebrate Zoology (\$500)**, Graduate Student Travel Grant

## PUBLICATIONS

### Peer-reviewed

1. Brasil MF, **Monson TA**, Taylor CE, Yohler R, Hlusko LJ. 2023. A Pleistocene assemblage of near-modern *Papio hamadryas* from the Middle Awash study area, Afar Rift, Ethiopia. *American Journal of Biological Anthropology*.
2. Brasil MF, **Monson TA**, Taylor CE, Yohler R, Hlusko LJ. 2023. Hundreds of *Colobus* (Cercopithecidae: Primates) fossils from the later Pleistocene of Ethiopia's Middle Awash study area. *American Journal of Biological Anthropology*.
3. Taylor CE, Brasil MF, **Monson TA**, Yohler R, Hlusko LJ. 2023. Halibee fossil assemblages reveal later Pleistocene *Cercopithecus* (Cercopithecidae: Primates) in the Middle Awash of Ethiopia. *American Journal of Biological Anthropology*.
4. **Monson TA**, Brasil MF, Hlusko LJ, Weitz AP. 2022. Teeth, prenatal growth rates, and the evolution of human-like pregnancy in later *Homo*. *Proceedings of the National Academy of Sciences*. 119(41), e2200689119.
5. **Monson TA**, Brasil MF, Mahaney MC, Schmitt CA, Taylor CE, Hlusko LJ. 2022. Keeping 21st Century Paleontology Grounded: Quantitative Genetic Analyses and Ancestral State Reconstruction Re-Emphasize the Essentiality of Fossils. *Biology*. 11(8):1218
6. Segura V, Geiger M, **Monson TA**, Flores D, Sánchez-Villagra MR. 2022. Biological and cultural history of domesticated dogs in the Americas. *Anthropozoologica*.
7. Saco-Ledo G, Porta J, **Monson TA**, Brasil MF, Duyar I. 2021. Body proportions according to stature groups in elite athletes. *Research in Sports Medicine*. 1-13.
8. Zuercher ME, **Monson TA**, Dvoretzky RR, Ravindramurthy S, Hlusko LJ. 2021. Dental variation in megabats (Chiroptera: Pteropodidae): tooth metrics correlate with body size and tooth proportions reflect phylogeny. *Journal of Mammalian Evolution*. 28(2), 543-558.
9. Brasil MF, **Monson TA**, Schmitt CA, Hlusko LJ. 2020. A genotype: phenotype approach to testing taxonomic hypotheses in hominids. *The Science of Nature*, 107(5):1-6.

10. **Monson TA**. 2020. Patterns and magnitudes of craniofacial covariation in extant papionins. *The Anatomical Record*. 303(12):3068-3084.
11. **Monson TA**, Ferrer D, Scherrer M. 2020. Neutral evolution of human enamel-dentine junction morphology. *Proceedings of the National Academy of Sciences*. 117(42):26183-26189.
12. Saco-Ledo G, Porta J, **Monson TA**, Brasil MF, Atamtürk D, Duyar I. 2020. Piecewise regression equations for estimating stature: an anthropometric study in Spanish females. *International Journal of Legal Medicine*, 1-8.
13. **Monson TA**, Boisserie J, Brasil MF, Clay S, Dvoretzky R, Ravindramurthy S, Schmitt CA, Souron A, Takenaka R, Ungar P, Yoo S, Zhou M, Zuercher M, Hlusko LJ. 2019. Evidence of strong stabilizing effects on the evolution of boreoeutherian (Mammalia) dental proportions. *Ecology and Evolution*. 9:7597-7612.
14. **Monson TA**, Coleman JL, Hlusko LJ. 2019. Craniodental allometry, prenatal growth rates, and the evolutionary loss of the third molars in New World monkeys. *The Anatomical Record*. 302(8):1419-1433.
15. Hlusko LJ, Carlson J, Chaplin G, Elias SA, Hoffecker JF, Huffman M, Jablonski NG, **Monson TA**, O'Rourke DH, Pilloud MA, Scott GR. 2018. Environmental selection during the last ice age on the mother-to-infant transmission of vitamin D and fatty acids through breast milk. *Proceedings of the National Academy of Sciences* 201711788.
16. **Monson TA**, Armitage DW, Hlusko LJ. 2018. Using machine learning to classify extant apes and interpret the dental morphology of the chimpanzee-human last common ancestor. *PaleoBios* 35:1-20.
17. **Monson TA**, Brasil MF, Hlusko LJ. 2018. Allometric variation in modern humans and the relationship between body proportions and elite athletic success. *Journal of Sport of Anthropology and Physical Education*. 2.3:3-8.
18. **Monson TA**, Hlusko LJ. 2018. Breaking the rules: phylogeny, not life history, explains dental eruption sequence in primates. *American Journal of Physical Anthropology*. 167(2):217-233.
19. **Monson TA**, Hlusko LJ. 2018. The evolution of dental eruption sequence in artiodactyls. *Journal of Mammalian Evolution*, 25:15-26.
20. **Monson TA**, Brasil MF, Stratford DJ, Hlusko LJ. 2017. Patterns of craniofacial variation and taxonomic diversity in the South African Cercopithecidae fossil record. *Palaeontologia Electronica* 20.1.7A:1-20.

21. Hlusko LJ, Schmitt CA, **Monson TA**, Brasil MF, Mahaney MC. 2016. The integration of quantitative genetics, paleontology, and neontology reveals genetic underpinnings of primate dental evolution. *Proceedings of the National Academy of Sciences*, 133(33):9262-9267.
22. **Monson TA**, Brasil MF, Hlusko LJ. 2015. Report on materials from the southern branch of the UC Africa Expedition with a description of new fossil localities. *PaleoBios*, 32(1):1-17.
23. **Monson T**, Hlusko LJ. 2014. Identification of a derived dental trait in the papionini relative to other old world monkeys. *American Journal of Physical Anthropology*, 155(3):422-429.

#### **Not Peer-reviewed**

**Monson TA**. 2023. Fossil teeth reveal how brains developed in utero over millions of years of human evolution – new research. *The Conversation* (translated into French). 32,229 readers as of May 31, 2023.

**Monson TA**. 2017. On the Sequence of Postcanine Tooth Eruption in Mammals. Doctoral Dissertation, University of California, Berkeley. *Dissertation*.

**Monson T**. 2013. Temporal and spatial distribution of vertebrate remains at Qwu?gwes. In: Croes D, Foster R, Ross L, editors. The Qwu?gwes archaeological site and fish trap (45TN240) and tested homestead (45TN396). Olympia: Washington State Department of Archaeology and Historic Preservation. Pp.144-153.

**Monson TA**. 2012. Metameric variation in the expression of the interconulus in *Papio* and *Macaca*. MA Thesis, San Francisco State University. *Thesis*.

#### **Abstracts for Meetings Presentations**

ANTH 320: Skeletons and the Occult. 35 abstracts submitted for WWU Scholar's Week. *May 2023*. \*Supervised

Heinen L. Art Against Tyranny. WWU Scholar's Week. *May 2023*. \*Supervised

**Monson TA**, Weitz AP, Brasil MF, Hlusko LJ. Prenatal growth rates and the evolution of encephalization in hominids. American Association of Biological Anthropology. *April 2023*.

Brasil MF, **Monson TA**, Taylor CE, Yohler RM, Hlusko LJ. 2022. Hundreds of Colobus fossils from the Late Pleistocene of the Afar Rift, Ethiopia. American Association of Biological Anthropology. *April 2022*.

Epps, J. 2022. Bones here, bones there, bones everywhere: Bioarchaeology and osteology in action. WWU Scholar's Week. *May 2022*. \*Supervised

Hlusko LJ, Scott GR, **Monson TA**, Brasil MF. 2022. So much more than teeth: how knowledge of the genetic architecture of the dentition improves and broadens our understanding of human evolution. European Society for the study of Human Evolution. *September 2022*.

Maloy K, Joker R, Pipp I, Hyde C, Smyth E, Baseman E, Price M. 2022. Master's-level theses designed to enact change. WWU Scholar's Week. *May 2022*. \*Supervised

Pallas L, Endalamaw M, Boisserie J-R, Hlusko LJ, **Monson TA**, Brasil MF. 2022. Postcranial specimens from Shungura: *Papio*, *Theropithecus* or *Soromandrillus*. 76th Congress of the Japan Society for Anthropology. Kyoto, Japan. *September 2022*.

Taylor CE, Brasil MF, **Monson TA**, Yohler RM, Hlusko LJ. 2022. Population-level variation in later Pleistocene Cercopithecus fossil assemblages. American Association of Biological Anthropology. *April 2022*.

Brasil MF, **Monson TA**, Taylor CE. 2021. Testing for allometric effects on shaft-to-end proportions of modern human limb bones. American Association of Physical Anthropology. *April 2021*.

**Monson TA**, Brasil MF, Schmitt CA, Taylor CE, Yohler R, Hlusko LJ. 2021. Using phenotypic integration to understand the evolution of the cercopithecoid maxillary dentition. American Association of Physical Anthropology. *April 2021*.

Taylor CE, Brasil MF, **Monson TA**, Yohler R, Hlusko LJ. 2021. Population level variation in Late Pleistocene *Cercopithecus* fossil assemblages. American Association of Physical Anthropology. *April 2021*.

**Monson TA**. 2020. Human enamel-dentine junction morphology evolves neutrally and tracks population history. American Association of Physical Anthropology. *April 2020 (cancelled due to COVID)*. American Journal of Physical Anthropology 171:191-191.

Yohler R, Brasil M, **Monson T**, Taylor C, Hlusko LJ. 2020. A thousand new cercopithecoid fossils to fill the Late Pleistocene void. American Association of Physical Anthropology. *April 2020 (cancelled due to COVID)*. American Journal of Physical Anthropology 171:308-308.

Hlusko LJ, Brasil MF, Boisserie JR, Clay SM, **Monson TA**, Schmitt CA, Souron A, Takenaka R, Ungar PS, Yoo S. 2019. Insights from genotype:phenotype mapping the mammalian postcanine dentition. Journal of Morphology. 280:S15.

Hlusko LJ, Carlson JP, Chaplin G, Elias SA, Hoffecker JF, Huffman M, Jablonski NG, **Monson TA**, O'Rourke DH, Pilloud MA, Taylor C., Scott GR. 2019. World-wide variation in incisor shoveling reveals evidence of selection in the Beringian Standstill population. American Journal of Physical Anthropology. 168:104-104.

**Monson TA**, Scherrer M, Fecker D, Ponce de León M, Zollikofer CPE. 2019. Geometric morphometric investigation of enamel-dentine junction morphology in a global sample of late Holocene human populations. *Journal of Morphology* 280:S183.

**Monson TA**, Scherrer M, Fecker D, de León MSP, Zollikofer CPE. 2019. Ancient population structure and episodes of selection are captured by Late Holocene human dental morphology. Swiss Organismal Biology Conference, Zurich, Switzerland.

**Monson TA**, Brasil MF, Hlusko LJ. 2018. Allometric variation in modern humans and the relationship between body proportions and elite athletic success. European Society for Human Evolution, Faro, Portugal.

Schmitt CA, Cooke SB, Brasil MF, **Monson TA**, Hlusko LJ. 2018. Genetically patterned dental phenotypes show evidence for diet-related evolutionary change in platyrrhine primates. American Association of Physical Anthropologists, Austin, TX.

Zuercher ME, Dvoretzky RR, Ravindramurthy S, **Monson TA**, Hlusko LJ. 2018. Dental Variation in Pteropodidae (Chiroptera: Mammalia). West Coast Biological Sciences Undergraduate Research Conference, Moraga, CA. *Winner, Best Poster in Ecology and Evolution.*

Zuercher ME, **Monson TA**, Dvoretzky RR, Ravindramurthy S, Hlusko LJ. 2018. Variation in dental metrics and proportions in Pteropodidae (Chiroptera: Mammalia). North American Society for Bat Research, Puerto Vallarta, JA, Mexico.

Brasil MF, **Monson TA**, Schmitt CA, Hlusko LJ. 2017. Plio-Pleistocene hominid diversity interpreted through the genetic mechanisms that pattern the dentition. *American Journal of Physical Anthropology* Vol. 162:218.

**Monson TA**, Hlusko LJ. 2017. The relationship between dental eruption sequence, phylogeny and life history in the evolution of primate dentition. *American Journal of Physical Anthropology* Vol. 162:291.

Brasil MF, **Monson TA**, Stratford DJ, Hlusko LJ. 2016. A reevaluation of taxonomic divisions within South African Parapapio. *American Journal of Physical Anthropology* Vol. 159:102.

Hlusko LJ, Brasil MF, Clay S, Höhna S, Huelsenbeck J, Huffman M, **Monson TA**, Takenaka R, Schmitt CA, Yoo S, Mahaney M. 2016. Genetic and phenotypic modularity in the mammalian dental arcade. International Congress on Vertebrate Morphology, Bethesda, MD.

Huffman M, **Monson TA**, Brasil MF, Hlusko LJ. 2016. Discerning genetic architecture from phenotypic covariance in human dentitions. International Congress on Vertebrate Morphology, Bethesda, MD.



**Monson TA**, Brasil MF, Stratford DJ, Hlusko LJ. 2016. Phenotypic integration of the cranium and face in fossil Cercopithecidae with implications for interpreting species in the Old World Monkey fossil record. *American Journal of Physical Anthropology* Vol. 159:233-234.

**Monson TA**, Hlusko LJ. 2016. Environmental change, resource availability and the evolution of dental eruption patterns in artiodactyls (Mammalia: Artiodactyla). International Congress of Vertebrate Morphology, Bethesda, MD.

**Monson TA**, Hlusko LJ. 2016. Late premolar eruption is derived in the ruminants and may represent an adaptation to changes in diet or life history. *Integrative and Comparative Biology* Vol. 56:E336.

Brasil MF, **Monson TA**, Hlusko LJ. 2015. South African fossil monkey mandibles in the University of California Museum of Paleontology. *PaleoBios* 32:5.

**Monson TA**, Brasil MF, Hlusko LJ. 2015. South African fossil baboons and evolutionary changes in *Papio* postcanine dentition. *PaleoBios* 32:11.

**Monson TA**, Hlusko LJ. 2014. Identification of a derived dental trait in the papionini relative to other old world monkeys. International Symposium on Dental Morphology, Zagreb, Croatia.

Gutierrez S, **Monson T**, Hlusko L. 2013. An analysis of *Struthio* sp. eggshells from the Middle and Late Stone Age of the Transvaal, South Africa. *Santa Cruz: SACNAS* 40:84.

Marquez II B, **Monson T**, Hlusko L. 2013. The bovidae of Gladysvale Cave and the environmental implications in the context of other fossil-bearing localities in the northern Transvaal region, South Africa. *Santa Cruz: SACNAS* 40:83.

**Monson T**, Hlusko LJ. 2012. Metameric variation in the expression of the interconulus in *Papio* and *Macaca*. *American Journal of Physical Anthropology* 147(54):216.

## INVITED LECTURES / SYMPOSIA PRESENTATIONS

2022 **Center for the Evolutionary Origins of Human Behavior**. Kyoto University, Japan. Organizer: Susumu Tomiya.

**BioAnth Seminar**. Invited speaker for the University of Washington biological anthropology seminar. Organizer: Steven Goodreau. Title of presentation: The Evolution of Human Pregnancy.

**Princeton Alumni Speaker Series**. Invited speaker for the Western Washington Regional Alumni group. Title of presentation: The Past, Present, and Future of Being Human.

- 2021 **PaleoLunch.** Invited speaker for the University of Washington paleontology seminar. Organizer: Gregory Wilson Mantilla. Title of presentation: Craniodental evolution of African cercopithecoid monkeys: a fossil-forward approach.
- Paleoanthropology Seminar.** Invited speaker for the Washington University in St. Louis paleoanthropology seminar. Organizer: David Strait. Title of presentation: From fossil to machines: 3D imaging and artificial intelligence in paleoanthropology. April 2020.
- 2019 **Integrative Human Evolution Symposium.** Interdisciplinary symposium on human evolution. Keynote Speaker. Organizer: Rahel Brügger and Tesla Monson. Title of presentation: Artificial Intelligence and Human Evolution.
- 2018 **Marin Science Seminar.** Invited speaker for community lecture sponsored by Terra Linda High School. Organizer: Alfia and Art Wallace. Title of presentation: Gnashing, Gnawing, and Grinding: The Science of Teeth.
- 2017 **Evolutionary Anthropology Colloquium, University of California Davis.** Invited speaker for a colloquium sponsored by the Department of Anthropology at UC Davis. Organizers: Jelmer Eerkens, Cristina Moya, and Margaret Crofoot. Title: Breaking the rules: phylogeny, not life history, explain dental eruption sequence in mammals.
- East Bay Science Café.** Invited speaker for community lecture sponsored by Science at Cal. Organizer: Lisa White, Director of Education and Outreach, UC Museum of Paleontology. Title of presentation: Chew on this: the evolution of tooth eruption in mammals.
- 2016 **University of Dubuque Department of Natural and Applied Sciences.** Invited speaker for departmental seminar series. Organizer: Gerald Zuercher, Department Chair. Title of presentation: Chew on this: the evolution of mammalian dentition.
- 2013 **American Association of Physical Anthropologists.** Invited speaker in the symposium: Monkey Business: Recent Developments on the Evolution of Old World Monkeys. Invited Podium Symposium. Organizers: Steven Frost and Leslea Hlusko. Title of presentation: Fossil monkeys from South Africa in the University of California's Museum of Paleontology collections (T. Monson).
- 2009 **Squaxin Island Tribal Community Center.** Invited presenter at the symposium: Summary of 11 Years of Excavation at Qwu?gwe. Organizer: Dale Croes, Rhonda Foster and Larry Ross. Title of presentation: Spatial and Temporal Analysis of Vertebrate Fauna: Summary of Qwu?gwe Excavation (1999-2009).

## CAMPUS TALKS

- 2020 **Department of Anthropology.** Speaker for the Departmental Brown Bag Series. Organizer: Sean Bruna, Associate Professor. Title of presentation: Using dental morphology to reconstruct human population movement in the archaeological record.
- 2019 **Paleontology Institute and Museum.** Invited speaker for the museum seminar, University of Zurich. Organizer: Marcelo Sánchez-Villagra, Professor. Title of presentation: Primate evolution in Africa: Lessons learned from the OWM (Cercopithecidae fossil record).
- 2018 **Anthropology Institute.** Speaker in Computer-Assisted Paleoanthropology, University of Zurich. Organizer: Christoph Zollikofer, Professor. Title of presentation: Evolution of skeletal and dental variation in mammals.
- Advocates for Public Health.** Invited seminar speaker for a DeCal class, associated with Public Health Advocate. Organizer: Vedaja Surapaneni. Title of presentation: Exposing Medical Research and its Secrets: An Evolutionary Biologist's Take on Some of the Most Important Issues in Medical Research Today.
- 2017 **Department of Integrative Biology.** Graduate student finishing talk. Title of presentation: Breaking the rules: phylogeny, not life history, explain dental eruption sequence in mammals.
- Women in Science and Engineering, 'Future of Science' Conference.** Invited poster presenter and speaker. Organizer: Badriya Chandoo, WiSE Conference Coordinator. Title of presentation: Late premolar eruption is derived in the ruminants and may represent an adaptation to changes in diet or life history.
- 2016 **Museum of Vertebrate Zoology.** Invited speaker for museum seminar series. Organizer: Michael Nachman, Museum Director. Title of presentation: Environmental change, resource availability and the evolution of dental eruption patterns in Artiodactyla.
- 2015 **Let's Have An Awesome Time Doing Science.** Invited presenter at the conference: A discussion on maintaining happiness in a challenging career. Organizer: Jamie Schwendinger-Schreck. Title of presentation: Amplifying graduate student voices: The power of science outreach and radio.
- University of California Museum of Paleontology.** Invited speaker for museum vertebrate paleontology seminar series. Organizer: Kevin Padian, Professor. Title of presentation: Dental eruption sequence in artiodactyls.
- 2013 **Primate Biology Group, Department of Integrative Biology, UC Berkeley.** Invited speaker. Organizer: Katharine Milton, Professor. Title of presentation. Metameric variation in primate dentition.
- 2011 **San Francisco State University Department of Anthropology.** Invited guest lecturer for ANTH 110: Intro to Archaeology. Organizers: Gary Pahl, Professor. Title of

presentation: Collaboration and the Future of North American Archaeology: Qwu?gwes as a Case Study.

- 2010 **7th Annual SFSU Human Rights Summit.** Invited speaker. Organizer: Cynthia Wilczak, Professor. Title of presentation: Community outreach and North American archaeology.

## **WORKSHOPS**

- 2020 **Workshop in Scientific Photography.** Director. For undergraduate students in the Department of Anthropology at Western Washington University.
- Workshop in R Statistical Programming.** Director. For faculty and students in the Department of Anthropology at Western Washington University.
- 2018 **Workshop in Science Communication and Outreach II.** Director. Radio and podcast. I trained graduate students using The Graduates radio program. Goals included advancing science communication, presentation of research, outreach, and diversity in STEM. I led workshops on methods in interviewing, broadcasting, and publicity and promotions.
- 2017 **Workshop in Science Communication and Outreach I.** Director. Radio and podcast. I trained graduate students using The Graduates radio program. Goals included advancing science communication, presentation of research, outreach, and diversity in STEM. I led workshops on recruiting speakers, using radio equipment, and digital recording.

## **FIELD RESEARCH**

- 2019 **Collection and recording of climate sensors,** directed by Andrew Weitz, postdoctoral scholar.
- 2015 **Excavation of fossil materials at Sterkfontein Cave,** directed by Dominic Stratford, Associate Professor, University of the Witwatersrand, Johannesburg, South Africa.
- 2009 **Qwu?gwes Archaeological Site and Fish Trap (45TN240),** directed by Dale Croes, Professor, in collaboration with the Squaxin Island Tribe. South Puget Sound Community College, Olympia, WA.

## **MUSEUM / INSTITUTIONAL RESEARCH**

- 2016 – pres Middle Awash fossil preparation and study, **National Museum**, Addis Ababa, Ethiopia
- 2016 – pres Study of dental morphological patterning in mammals, **Museum of Vertebrate Zoology**, Berkeley, California, **Zoological Museum**, Zurich, Switzerland
- 2014 – pres Study of dental eruption sequence in mammals, **Museum of Vertebrate Zoology** and the **Smithsonian National Museum of Natural History**, Washington D.C.

- 2013 – pres Study of primate fossils from South Africa, **University of California Museum of Paleontology** in Berkeley, California, **Evolutionary Studies Institute** at University of the Witwatersrand in Johannesburg and the **Ditsong Museum of Natural History** in Pretoria, South Africa
- 2007 – pres Study of extant primate craniodental variation, **Museum of Vertebrate Zoology**, **Smithsonian National Museum of Natural History**, **University of Oregon Museum of Cultural and Natural History**, and the **American Museum of Natural History** in New York City, New York
- 2018 – 2019 Computed tomography investigation of mammalian craniodental variation, **Anthropology Institute, Zoological Museum**, Zurich, Switzerland
- 2007 – 2019 Study of craniodental variation in Native Californians, **Phoebe A. Hearst Museum of Anthropology**, Berkeley, California

### **ADDITIONAL TRAINING**

- 2021 **Diverse Intelligences Summer Institute.** Participant. 4-week intensive institute focusing on multidisciplinary approaches to understanding cognition. Presented final project on the evolution of art.
- 2021 **Employee Language Workshop.** Participant. For WWU employees who want to improve language skills. Spanish Conversation Partners (3 month course).
- 2018 **Computed Tomography Scanning Workshop**  
Workshop participant, held at the University of Zurich (September)
- 2013 **Geometric Morphometrics Workshop**  
Workshop participant, held at University of California Berkeley (August)
- 2009 **Mud Bay Field School**  
Qwu?gwes Archaeological Site and Fish Trap (45TN240), South Puget Sound Community College, Olympia, WA

### **REVIEWER FOR:**

- 2022 *American Journal of Biological Anthropology, Integrative and Comparative Biology*
- 2021 *American Journal of Physical Anthropology, Journal of Human Evolution, Leakey Foundation, PNAS (editor)*
- 2020 *Evolutionary Cell Biology book series, Journal of Human Evolution,*
- 2019 *Journal of Morphology, Mammalian Biology, Zoological Research*
- 2018 *Palaeontologia Electronica, Scientific Reports*

### **PRIMARY SCIENCE OUTREACH**

- 2019 – pres. **Washington Women.** Twitter and radio outreach initiative focused on highlighting influential women in Washington State History. Published weekly. And broadcast weekly on KMRE 102.3 FM.
- 2013 – 2018 **The Graduates.** Host and producer of a radio talk show promoting science outreach and education, and diversity in STEM. Broadcast bimonthly on KALX

90.7 FM and available as a podcast. One of the only science talk shows in the Bay Area. More than 50 episodes highlighting diverse research topics including anthropology, ecology and conservation, physics, and paleontology.

## **SUPPLEMENTARY SCIENCE OUTREACH AND SERVICE**

- 2023      **Primate Cast.** Interviewed as the featured science guest for The Primate Cast.
- 2022      **Science Communication presentation.** Beyond the family BBQ: Why science communication is an essential skill in academia. *Center for the Evolutionary Origins of Human Behavior, Inuyama, Japan.*
- 2016 – pres.      **Bearded Lady Project.** Featured paleontologist for the Bearded Lady Project and travelling exhibition of portraits.
- 2019      **Integrative Human Evolution Symposium**, scheduled April 2019. One-day symposium to be held at the University of Zurich, organized by T. Monson in collaboration with junior researchers (graduate student and postdocs) with the goal of bringing together interdisciplinary researchers from multiple disciplines to promote scientific knowledge, communication and education about human evolution and human origins. The primary goals of the Symposium were to provide career development opportunities for junior researchers, to facilitate an interdisciplinary research environment, to promote a platform for diversity in academia and the sciences, and to offer an opportunity for science communication and education.
- 2018      **Planet Forward.** Science storytelling can build bridges to understanding. Interview about science communication and representation.
- 2017      **Teaching Colloquium.** Invited panelist for the teaching colloquium sponsored by the Department of Integrative Biology at UC Berkeley. Topic: Teaching controversial issues and inclusion in science.
- 2016      **Koret Visitor Center.** Invited contributor to an exhibit on UC Berkeley, featuring my research and outreach activities.
- University of California Museum of Paleontology Blog.** Blogpost about the UCMP South African vertebrate collections and the resulting research trip to South Africa. Co-author. Title of presentation: Our journey from the UCMP to South Africa to study fossil monkeys.
- 2015      **California Academy of Sciences NightLife.** BiteLife – the Paleo Diet. Presenter representing the University of California Museum of Paleontology.
- Graduate Minority Student Project.** Panel speaker at the panel: Balancing graduate work and life. University of California, Berkeley.

2013 – 2014 **Cal Day.** Museum of Vertebrate Zoology and University of California Museum of Paleontology. Engaging with the public and discussing science.

2012 – 2017 **IB Women in Science.** Organization supporting women in science with discussion on topics relevant to diversity in STEM. Board member.

2012 **Expanding Your Horizons.** Conference intended to introduce middle school girls to careers in science, technology, engineering and mathematics. Volunteer.

**Bay Area Science Festival.** Presenter representing the University of California Museum of Paleontology at AT&T Park in San Francisco.

## PRESS

2022 **New Scientist.** Our ancestors' prenatal growth sped up after we split from chimps. <https://www.newscientist.com/article/2340725-our-ancestors-prenatal-growth-sped-up-after-we-split-from-chimps/>

**Phys.org.** Hominid prenatal growth rates found to have increased after lineage split from chimps. <https://phys.org/news/2022-10-hominid-prenatal-growth-lineage-chimps.html>

**Riff Reporter.** Evolution: Wie der Mensch zu seinem großen Gehirn kam und was die Schwangerschaft damit zu tun hat. <https://www.riffreporter.de/de/wissen/gehirn-schwangerschaft-zaehne-wachstum-mensch-homo-evolution-affen>

**Science.** We evolved to grow in the womb rapidly—even before we were human. <https://www.science.org/content/article/we-evolved-grow-womb-rapidly-even-we-were-human>

**Western Today.** Our ancestors' prenatal growth sped up after we split from chimps. <https://westerntoday.wvu.edu/inthedia/our-ancestors-prenatal-growth-sped-up-after-we-split-from-chimps>

**Western Today.** Anthropology faculty and students awarded grants to support research. <https://westerntoday.wvu.edu/news/anthropology-faculty-and-students-awarded-grants-to-support-research>

2021 **The Front.** Dr. Tesla Monson receives grant from the Leakey Foundation for research. <https://www.westernfrontonline.com/article/2021/04/dr-tesla-monson-receives-grant-from-the-leakey-foundation-for-research/> April 7, 2021

**The Leakey Foundation.** Grantee Spotlight: Tesla Monson.  
<https://leakeyfoundation.org/grantee-spotlight-tesla-monson/> April 7, 2021

**Western Today.** Research Recap: New Grants Awarded in Anthropology and Biology. [https://westerntoday.wvu.edu/news/research-recap-for-feb-19?utm\\_source=Western+Today+distribution&utm\\_campaign=a1b6929659-WTemail\\_COPY\\_33&utm\\_medium=email&utm\\_term=0\\_bd027a69be-a1b6929659-223192293](https://westerntoday.wvu.edu/news/research-recap-for-feb-19?utm_source=Western+Today+distribution&utm_campaign=a1b6929659-WTemail_COPY_33&utm_medium=email&utm_term=0_bd027a69be-a1b6929659-223192293)

2020 **Western Today.** Tesla Monson's Research Sheds New Light on the Evolution of Vision in Primates. <https://westerntoday.wvu.edu/features/tesla-monson-s-research-sheds-new-light-on-the-evolution-of-vision-in-primates>

2019 **Western Today.** Beards, Disparity, and the Sciences: Western's Tesla Monson takes aim at gender discrimination through Smithsonian exhibit. <https://westerntoday.wvu.edu/features/beards-disparity-and-the-sciences-westerns-tesla-monson-takes-aim-at-discrimination-though>

2018 **BBC's *Up All Night*** Interview with Rhod Sharpe about the last common ancestor, 29.08.18 <https://www.bbc.co.uk/programmes/b0bgq6y2>

**Inverse** A New Clue About Humanity's Last Common Ancestor with Apes is Revealed. <https://www.inverse.com/article/48381-last-common-ancestor-teeth-study>

**Perth Now** Seidel J (2018). Human evolution: Artificial intelligence offers new clues to where (or what) we came from. <https://www.perthnow.com.au/technology/science/human-evolution-artificial-intelligence-offers-new-clues-to-where-or-what-we-came-from-ng-d2939cd1aff290e97f77c6b3ddc46016>

**Inverse** Wingspan's Huge Role in Athletic Ability Revealed in NBA Study. <https://www.inverse.com/article/47080-nba-wingspan-advantage-positionless-basketball>

**Science** Gene linked to breastfeeding may have boosted survival of earliest Americans. <http://www.sciencemag.org/news/2018/04/gene-linked-breastfeeding-may-have-boosted-survival-earliest-americans>

**Berkeley News** Did last ice age affect breast feeding in Native Americans? <http://news.berkeley.edu/2018/04/23/did-last-ice-age-affect-breast-feeding-in-native-americans/>

2017 **The Daily Californian** Meet the student DJs at KALX, 55<sup>th</sup> Anniversary Addition. <http://www.dailycal.org/2017/10/23/kalx-radio-berkeley-graduates-kendra-levine/>



- 2016 *ScienceDaily* Changes in primate teeth linked to rise of monkeys.  
<https://www.sciencedaily.com/releases/2016/07/160711155529.htm>
- GradNews* Meet Tesla Monson, Host of KALX's 'The Graduates.'  
<http://grad.berkeley.edu/news/headlines/tesla-monson/>
- 2015 *The Berkeley Graduate* The Berkeley Graduate Interviews The Graduates.  
<http://www.theberkeleygraduate.com/thegraduateinterview/>
- 2014 *Berkeley Science Review* Archaeology and the Untold Stories of the African Diaspora.  
<http://berkeleysciencereview.com/archaeology-untold-stories-african-diaspora/>
- Berkeley Science Review* Dinosaur Eggs and Ancient Mammals.  
<http://berkeleysciencereview.com/dino-eggs-ancient-mammals/>
- Berkeley Science Review* Feeding on the Fall.  
<http://berkeleysciencereview.com/jenna-judge-graduates/>
- The Daily Californian* Meet the student DJs at KALX.  
<http://www.dailycal.org/2014/12/05/meet-student-djs-kalx/>

#### ADVISING : MA STUDENTS

##### *Primary Advisor*

- Tristen Hansen (Western Washington University, primary advisor, started 2021; topic: 3D Geometric Morphometric Analysis of Cranial Shape in Salish Dogs)
- Jack McBride (Western Washington University, primary advisor, started 2021; topic: Evolution of Twinning and Litter Size in Primates)
- Mia Price (Western Washington University, primary advisor, started 2021; topic: Biases in Sex Estimation: Implications for Intersex Individuals)
- Jack Szvetez (Western Washington University, primary advisor, started 2021; topic: Evolution of Early Primate Dentition) *on leave*

##### *Committee Member*

- Holly Edwards (Western Washington University, secondary committee member; topic: Effects of the pandemic on masturbation and sex behavior, earned MA in Fall 2021)
- Caroline Hyde (Western Washington University, secondary committee member; topic: Exotification and Sexualization of Marginalized Groups in Museums)

#### ADVISING : UNDERGRADUATE/POST-BAC STUDENTS

Jennifer Arevalo	(Western Washington Univ., started 2023)
Lauren Avery	(Western Washington Univ., started 2021)
Marianne Brasil	(University of California, started 2013, completed BA in 2013)
Jeffrey Coleman	(University of California, started 2016, completed BA in 2017)
Isabella Conover	(Western Washington Univ., started 2023)
Hailee Desrosier	(Western Washington Univ., started 2019, completed BA in 2022)
Rena Dvoretzky	(University of California, started 2016, completed BA in 2018)
Julie Epps	(Western Washington Univ., started 2021, completed BA in 2022)
Sandy Gutierrez	(University of California, pre-IMSD scholar 2013 – 2015)
Tristen Hansen	(Western Washington Univ., started 2019, completed BS in 2020)
Mohammad Hussain	(Western Washington Univ., started 2022, completed BS in 2022)
Niyatha Kaval	(University of California, started 2016, completed BA in 2017)
Bogart Marquez II	(University of California, pre-IMSD scholar 2013 – 2015)
Kelley Maccoy	(Western Washington Univ., started 2019, completed BS in 2019)
Evan Miller	(Western Washington Univ., started 2021)
Jenna Nolasco	(Western Washington Univ., started 2021, completed BS in 2022)
Omri Ofek	(Western Washington Univ., started 2023)
Emily Peterson	(Western Washington Univ., started 2023)
Shruti Ravindramurthy	(University of California, started 2016, completed BA in 2018)
Lexie Ritter	(Western Washington University '20, started 2020).
Kevin Roth	(University of California, started 2013, completed BA in 2013)
Livia Santos	(Western Washington Univ., started 2020, completed BS in 2020)
Olivia Thomas	(Western Washington Univ., started 2021)
Madeleine Zuercher	(University of California, started 2015, completed BA in 2019)

## **LETTERS OF RECOMMENDATION**

Jennifer Arevalo	Northwest Carpenters Union Scholarship (2022)
Emilie Campbell	Because of Her Story, Smithsonian Virtual Internship (2021) Johns Hopkins MA program, Museum Studies (accepted, 2021)
Hailee Desrosier	MS Program in Forensic Anthropology (2022)
Rena Dvoretzky	Employment in Medical Sciences (2020)
Tristen Hansen	MA program in Bioarchaeology (2021)
Livia Santos	MA and MS programs in Forensic Anthropology (2021, 2022)
Eric Schissler	PhD programs in Biological Anthropology (2022)
Madeleine Zuercher	PhD Program in Ecology and Evolutionary Biology (accepted, 2018) NSF GRFP (2020, Honorable Mention), NSF GRFP (not funded, 2018)